

## Shimadzu BL Series Toploading Balances



### Applications

- Blood banks
- Portion control
- Chemical formulation
- Counting percentage
- Weighing recipe
- Field formulation
- Wastewater treatment
- Veterinaries
- Cosmetics research
- Small parts counting
- Jewelry analysis
- Hobby enthusiasts

### Standard Features

- Pan size: 3.95" W x 3.95" H (100 W x 100 mm H) (BL320S, BL220H, BL320H)
- 6.3" W x 4.9" H (160 W x 124 mm H) (BL620S, BL3200S, BL-2200H, BL3200H, BL3200HL)
- Weighting modes: g, kg, percent, pcs, ct, mom, oz, ozt, tael (Hong Kong, Singapore, Taiwan, and Malaysia), dwt, GN
- Molded in-use cover
- Quick response
- Space saving compact size
- Unit switching mode
- Overload protection mechanism
- Three modes of operation: standard, sampling and high stability
- Analog bar display
- 115/230 VAC adapter included
- 5-year limited warranty

PART #	SHIMADZU MODEL #	DESCRIPTION	EST. SHIP WEIGHT
<b>Standard resolution</b>			
71560	220-96031-32	BL320S, 320 g x 0.01 g .....	8 lb
71561	220-96031-33	BL620S, 620 g x 0.01 g .....	8 lb
71563	220-96031-35	BL3200S, 3200 g x 0.1 g .....	8 lb
<b>High resolution</b>			
71559	220-96031-22	BL220H, 220 g x 0.001 g .....	8 lb
<b>NEW!</b> 75289	220-96031-25	BL320H, 320 g x 0.001 g .....	8 lb
71562	220-96031-24	BL2200H, 2200 g x 0.01 g .....	8 lb
<b>NEW!</b> 75290	220-96031-57	BL3200HL, 3200 g x 0.01 g .....	8 lb
<b>NEW!</b> 75291	220-96031-26	BL3200H, 3200 g x 0.01 g .....	8 lb
<b>OPTIONS/ACCESSORIES</b>			
75292	321-53901	Windbreak (does not include cover)	
75892	321-55654-00	Windbreak cover	
75293	321-61226	In-use cover	
<b>NEW!</b> 75263	N/A	Anti-vibration pad	
75370	321-6145-00	AC adapter (does not include power cord).	
75588	220-97183-00	115 VAC power cord for part #75370	
71574	220-93003-00	EP60A thermal statistical printer	
75276	320-04747-20	EP60A chart paper (10 rolls)	
75275	320-02145-10	EP50 chart paper (5 rolls)	
75274	320-02146-10	EP50 ink ribbon	
71575	220-96020-00	EP50 inkdot statistical printer	

### Specifications

#### OVERALL DIMENSIONS (APPROX.):

6.7" W x 9.4" D x 2.9" H  
(170 mm W x 240 mm D x 75 mm H)

#### MINIMUM WEIGHT DISPLAYED:

BL220H, BL320H: 0.001 g

BL320S, BL620S, BL2200H,  
BL3200H, BL3200HL: 0.01 g

BL3200S: 0.1 g

#### STANDARD DEVIATION:

BL220H, BL320H: 0.001 g

BL620S, BL2200H, BL3200H,  
BL3200HL: 0.01 g

BL320S: 0.006 g

BL3200S: 0.06 g

#### LINEARITY:

BL220H, BL320H: 0.001 g

BL620S, BL620S: 0.01 g

BL2200H, BL3200H, BL3200HL:  
0.02 g

BL3200S: 0.1 g

#### SENSITIVITY CALIBRATION WEIGHT:

BL220H, BL320H: 200 g or 100 g

BL320S: 300 g or 200 g

BL620S: 600 g or 500 g

BL2200H, BL3200H, BL3200HL:  
2000 g or 1000 g

BL3200S: 3000 g or 2000 g

#### OPERATING TEMPERATURE:

41°F to 104°F (5°C to 40°C)

#### TEMP. COEFFICIENT OF SENSITIVITY:

BL320S, BL620S, BL3200S:

± 10ppm/°F (50°F to 86°F)

± 10ppm/°C (10°C to 30°C)

BL220H, BL320H, BL2200H,

BL3200H, BL3200HL:

± 3ppm/°F (50°F to 86°F)

± 3ppm/°C (10°C to 30°C)

#### INPUT/OUTPUT TERMINALS:

RS-232/AUX connector for input/output via  
RS-232 interface and for output for relay  
and foot switch

Data I/O connector for electronic printer